

(12) United States Patent Guo et al.

(54) DISPLAY SUBSTRATE AND METHOD FOR MANUFACTURING THE SAME, AND **DISPLAY DEVICE**

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(57)ABSTRACT

The present invention relates to a display substrate and a method for manufacturing the same, and a display device, wherein the substrate comprises a sealed space formed therein, a quantum dot-polymer composite system is sealed in the sealed space, and the quantum dot-polymer composite system is configured to emit light with a second wavelength and light with a third wavelength when excited by light with a first wavelength.

19 Claims, 6 Drawing Sheets

